

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506807

Luminaire Tested: **24PD-70-PW1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PW1-L950
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

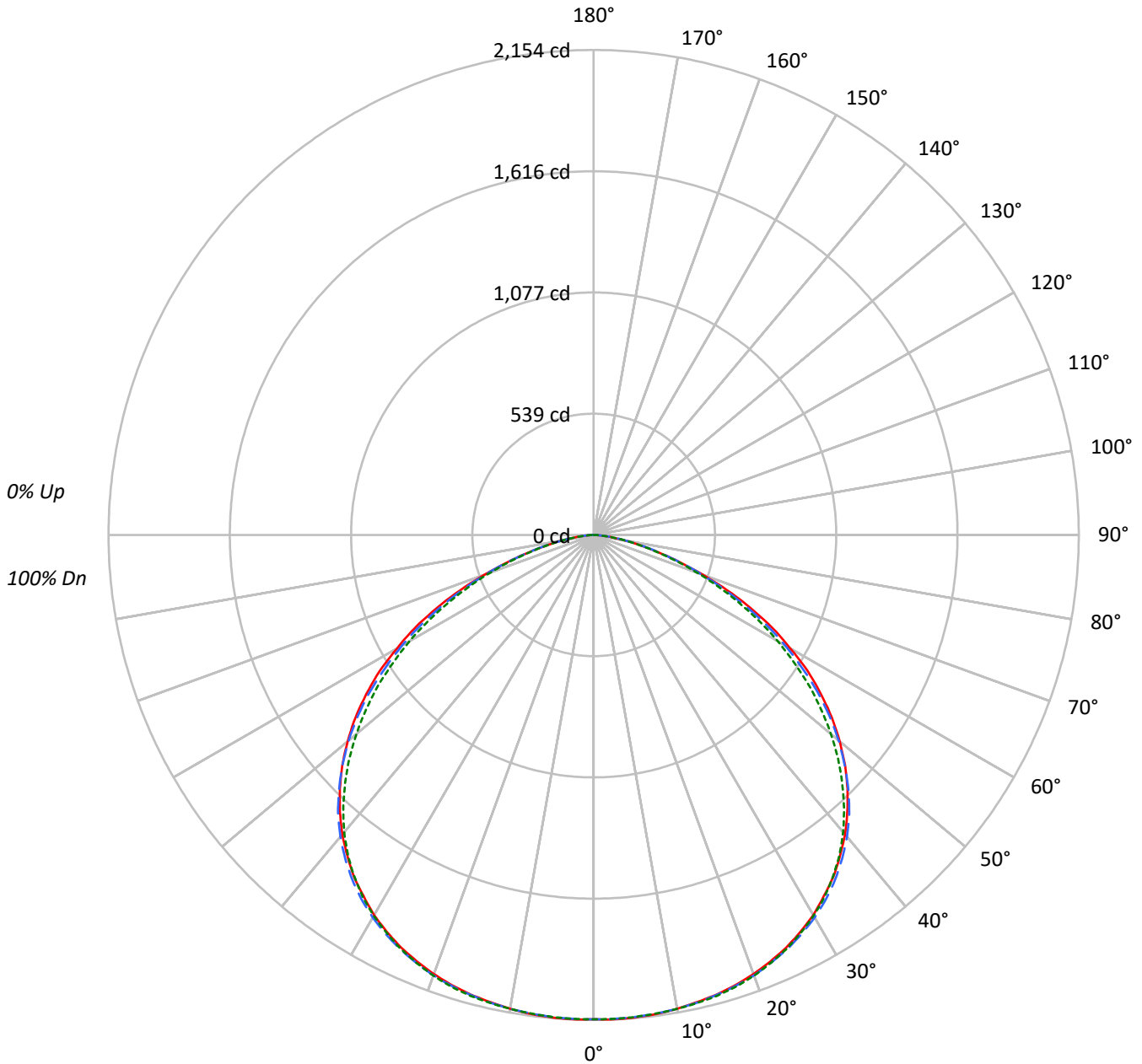
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6309.2 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2895	2895	2895
5°	2905	2902	2902
10°	2920	2920	2921
15°	2943	2946	2952
20°	2971	2981	2983
25°	3002	3016	3011
30°	3029	3049	3035
35°	3047	3070	3044
40°	3050	3073	3027
45°	3032	3044	2970
50°	2985	2971	2878
55°	2890	2843	2742
60°	2714	2644	2541
65°	2448	2358	2262
70°	2018	1987	1914
75°	1542	1558	1496
80°	1070	1103	1079
85°	639	667	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	3.2
10°-20°	598.1	9.5
20°-30°	935.4	14.8
30°-40°	1163.5	18.4
40°-50°	1222.8	19.4
50°-60°	1073.3	17.0
60°-70°	730.9	11.6
70°-80°	322.4	5.1
80°-90°	58.0	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1738.3	27.6
0°-40°	2901.8	46.0
0°-60°	5197.9	82.4
0°-90°	6309.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6309.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2151	2150	2148	2146	2148	205
15°	2113	2115	2115	2115	2119	597
25°	2022	2028	2031	2030	2028	933
35°	1855	1863	1869	1860	1853	1159
45°	1594	1604	1600	1573	1561	1227
55°	1232	1227	1212	1180	1169	1098
65°	769	750	741	724	710	758
75°	297	298	300	294	288	325
85°	41	43	43	43	42	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2151.5	2151.5	2151.5	2151.5	2151.5
2.5°	2153.9	2152.7	2151.5	2149.7	2151.5
5°	2150.9	2150.3	2148.5	2146.1	2148.5
7.5°	2146.1	2146.1	2144.3	2142.5	2143.7
10°	2137.1	2138.9	2137.1	2135.3	2137.7
12.5°	2125.0	2128.0	2127.4	2127.4	2129.2
15°	2113.0	2115.4	2114.8	2114.8	2119.0
17.5°	2096.2	2099.2	2099.8	2101.0	2103.4
20°	2075.2	2079.4	2081.8	2081.2	2083.0
22.5°	2050.6	2055.4	2057.2	2058.4	2057.2
25°	2022.3	2027.7	2031.3	2030.1	2028.3
27.5°	1988.1	1994.1	1998.9	1995.9	1992.3
30°	1949.7	1955.1	1962.3	1956.9	1953.3
32.5°	1902.2	1912.4	1919.0	1912.4	1907.0
35°	1854.8	1863.2	1869.2	1860.2	1853.0
37.5°	1797.1	1807.3	1812.7	1800.1	1792.3
40°	1736.4	1746.6	1749.6	1733.4	1723.2
42.5°	1667.4	1678.8	1680.0	1657.1	1645.7
45°	1593.5	1603.7	1599.5	1573.1	1561.0
47.5°	1513.6	1520.8	1511.8	1484.8	1471.6
50°	1425.9	1430.1	1419.3	1387.5	1374.9
52.5°	1333.4	1332.8	1319.0	1287.2	1273.3
55°	1231.9	1227.1	1212.1	1180.2	1168.8
57.5°	1128.0	1113.0	1096.8	1069.7	1054.7
60°	1008.5	997.1	982.6	955.6	944.2
62.5°	895.5	875.1	863.1	839.1	828.9
65°	768.8	750.2	740.6	724.4	710.5
67.5°	641.5	627.1	620.5	609.0	596.4
70°	512.9	508.7	505.1	494.3	486.5
72.5°	399.4	398.2	397.6	391.6	383.8
75°	296.7	298.5	299.7	294.3	287.7
77.5°	211.4	214.4	213.8	210.8	209.0
80°	138.1	140.5	142.4	139.3	139.3
82.5°	83.5	85.9	85.3	86.5	84.1
85°	41.4	43.2	43.2	42.6	42.0
87.5°	15.0	15.6	15.0	15.6	15.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)